

114
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PATENT

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JAN 22 2002
TECHNOLOGY CENTER 2800

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37 C.F.R. 1.8

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Lieven Stuyver
Joost Louwagie
Rudi Rossau

Serial No.: 09/943,983

Filed: August 31, 2001

For: METHOD FOR DETECTION OF DRUG-
INDUCED MUTATIONS IN THE
REVERSE TRANSCRIPTASE GENE

Confirmation No.: 2800

Group Art Unit: 1656

Examiner: To be assigned

Atty. Dkt. No.: 11362.0008.DV/ES02

STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.825(a) AND (b)
AND STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.821(g)

BOX SEQUENCE

Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith is a substitute computer readable form and a substitute paper copy of the sequence listing of those sequences in the captioned patent application, wherein minor errors have been corrected. The substitute computer readable form of the sequence listing is the same as the substitute paper copy of the sequence listing. The sequence information provided in the Specification is also the same as the sequence listing of the enclosed substitute computer

Please direct all future communications regarding this application as follows:

Matthew L. Madsen
HOWREY SIMON ARNOLD & WHITE, LLP
750 Bering Drive
Houston, Texas 77057-2198
(713) 787-1400

Respectfully submitted,



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Attorney for Assignee
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Date: Nov. 5, 2001

JAN 07 2002

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Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/943,983</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>1-28 (and more)</u> <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

JAN 07 2002

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,983DATE: 09/20/2001
TIME: 13:08:01Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.rawDoes Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Stuyver, Lieven
 4 Louwagie, Joost
 5 Rossau, Rudi
 7 <120> TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE
 EVERSE

8 TRANSCRIPTASE GENE
 10 <130> FILE REFERENCE: 11362.0008.DVUS02 INNS008--3
 12 <140> CURRENT APPLICATION NUMBER: US/09/943,983
 13 <141> CURRENT FILING DATE: 2001-08-31
 15 <150> PRIOR APPLICATION NUMBER: ~~08/913,833 now~~ US/6,087,093
 16 <151> PRIOR FILING DATE: 1997-09-15
 18 <150> PRIOR APPLICATION NUMBER: PCT/EP 97/00211
 19 <151> PRIOR FILING DATE: 1997-01-17
 21 <150> PRIOR APPLICATION NUMBER: EP 96870005.4
 22 <151> PRIOR FILING DATE: 1996-01-26
 24 <150> PRIOR APPLICATION NUMBER: EP 96870081.5
 25 <151> PRIOR FILING DATE: 1996-06-25
 27 <160> NUMBER OF SEQ ID NOS: 164
 29 <170> SOFTWARE: PatentIn version 3.0

31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 15
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Artificial Sequence
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 --> 36 <223> OTHER INFORMATION:

36 <400> SEQUENCE: 1

37 agaaaatggaa aagga

15

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42 <212> TYPE: DNA

43 <213> ORGANISM: Artificial sequence

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--> 45 <223> OTHER INFORMATION:

45 <400> SEQUENCE: 2

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46 tgtacagaaaa tggaa

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52 <213> ORGANISM: Artificial sequence

--> 54 <220> FEATURE:

--> 54 <223> OTHER INFORMATION:

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55 aaatggaaaaa ggaag

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61 <213> ORGANISM: Artificial sequence

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001
TIME: 13:08:01

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.raw

--> 63 <223> OTHER INFORMATION:

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--> 72 <223> OTHER INFORMATION:

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73 gtacagagat ggaaa
76 <210> SEQ ID NO: 6
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--> 81 <223> OTHER INFORMATION:

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82 agagatggaa aaaga
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109 gtacagagat ggaa
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--> 117 <220> FEATURE:

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001
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16

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154 agaaatggaa aaagaa
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16

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001

TIME: 13:08:01

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I943983.raw

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 280 agaacttggaa gaggg 15
 283 <210> SEQ ID NO: 29

The types of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001
TIME: 13:08:02

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.raw

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::13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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::36 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001
TIME: 13:08:02

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.raw

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